

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (CURRENTLY AMENDED) A WDM optical communication system, said system comprising:

input means and output means for an optical signal, an optical fibre path connecting signal-transmissively said input and output means, wherein the optic signal is amplified by means of Raman amplification and said optical fibre path comprises at least one Raman amplifier, further comprising WDM means for coupling at least two polarized pump radiation wavelengths with wavelengths less than the signal radiation wavelength into said Raman amplifier, where pump radiation wavelength has a selected different polarization with respect to the polarization of the other pump radiation wavelengths,

wherein, characterized in

the polarization of the pump radiations of the lower part of the pump wavelength band is orthogonal with respect to that of the upper part. that one pump radiation wavelength has a selected different polarization with respect to the polarization of the other pump radiation wavelengths.

2. (ORIGINAL) Amplifier according to claim 1, characterized in that the Raman amplification is a distributed Raman amplification.

3. (ORIGINAL) Amplifier according to claim 1, characterized in that the Raman amplification is a localised Raman amplification.

4. (PREVIOUSLY PRESENTED) Amplifier according to claim 1, characterized in that at least one pump radiation wavelength has a polarization which is orthogonal with respect to the polarization of at least one other pump radiation wavelength.

5. (ORIGINAL) Amplifier according to claim 3, characterized in that the polarization of the pump radiations of the lower part of the pump wavelength band is orthogonal with respect to that of the upper part.

6. (NEW) Amplifier according to claim 1, characterized in that the amplification is in the C- or L-Band and the lower part of the wavelength band comprises wavelengths 1427, 1439, and 1450 nm and the upper part comprises a wavelength of 1485 nm.